District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV

State of New Mexico Energy Minerals and Natural Resources

May 27, 2004
Submit to appropriate District Office

Form C-101

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

AMENDED REPORT

1220 S St. Fi	•			ነተረ ነገ	i ITG	Santa Pe, N Pr-rnti			EN, PLUGBA	ACK	OR AD	n a zone
All	LIUALI		Operator Name : APPROACH OPER	and Addres	222	, METERIL	<u> </u>	LIVE EN	248343		GRID Number	
ı		630	00 RIDGLEA PLAC FORT WORTH,	CE SUITE	Ē1107 6				30 - 039-	. ZÍ	API Number	0
³ Property Code					Property Name SENA			Well No.			il No.	
36	6761	ļ	Proposed Pool 1				т—		10 D	roposedi	n13	'/
	WC 28	NYEID	Proposed Pool 1	3					E 41	000scu	P001 2	
			<i></i>		7 S	urface Locat	tion					
UL or lot no	Section 10	Township 28N	Range 4E	Lati		Feet from the	1	South line	Feet from the 495	B	ass/West line WEST	County RIO ARRIBA
	1 10 1	2014	<u> </u>			ole Location If					WEST	RIU ARRIDA
UL or lot no	Section	Township	Range	Lork		Feet from the		South line	Feet from the	E	ast/West line	County
					Iditio	nal Well Info	ormati					
	Type Code N		12 Well Type Code O			13 Cable/Rolary ROTARY		,	14 Lease Type Code P		7.	and Level Elevation 1955 78° LSD
	Multiple		"Proposed Depth 2000			"Formation GRANERO	S	BĒ	19 Contractor EARCAT DRLG CO	o	ASAP	²⁰ Spud Date
Depth to Grou		.00 FEET		Distance	e from ne	earest fresh water v		<u> </u>			rest surface was	
	•	⊠ 6 mils thi	nck Clay P			i akfo	Drilling M					
Close	ed-Loop Syst	em 🔲	21						Brine Diesel	/Orl-bas	ed ∏ Gas/A	ir 🔯
				Propos	ed Ca	asing and Ce	ement !	Progra	m			1
Hole S	Size	<u> </u>	Casing Size	 		Casing weight/fo	ot		Setting Depth	Sack	s of Cement	Estimated TOC
12 ½	/4°		9 5/8"		32.3#			350'		210	SURFACE	
8 3/4	²¹		4 ½"			10.5#			1700°	Ĺ	500	SURFACE
												
						=				<u> </u>		<u> </u>
Describe the b	blowout prevail into the Gi Double Ra rotating hea- oke manifold station 3000	vention progr Francros Sh. c am 3000# LW ad, 3000#	gram, if any. Use ad exploring for oil an	ddutional sh	sheets if r	necessary.		n inc pies	esent productive 20			EP 27 '07 VS. DIV.
				-						***************************************		
²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines □, a general permit ☒, or an (attached)-alternative OCD-approved plan □.							OIL CONSERVATION DIVISION					
Signatural Commence of a commence of the comme						,	Approved by:	<u> </u>	Upr			
Printed name.	Glenn W. I	Reed, P. E.							Title:			
Title: Senior	Vice-Preside	ent of Operat	ions						Approval Date: Expiration Date:			n Date:
E-mail Addres	ss. gwreed@	(Japproachres	sources.com									
Date: September 24, 2007 Phone (817) 989-9000							Conditions of Approval Attached					

District II
1625 N. French Dr., Hobbs, NM 88240
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1301 W. Grand Avenue, Artesia, NM 88210
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1000 Rio Brazos Rd., Axtec, NM 87410
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised October 12, 2005 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

☐ AMENDED REPORT

		W	ELL LO	CATIO	N AND ACR	EAGE DEDIC	ATION PLA	T		
API Number 2 Poo							Pool Nam			
30:039.30386				77640	(r 8	cosoul				
Property Code					5 Property ?		, , , , , , , , , , , , , , , , , , , ,		Well Number	
36761				Sena - Tomb					Saute #1	
OGRID	No.				⁶ Operator l	Name			Elevation	
24834	248343			Approach Operating LLC					7955.78′	
					10 Surface	Location	1			
UL or let na.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West line	County	
m	**10	**28N **04E G 94 350 SOUTH 495 WEST RIO A						RIO ARRIBA		
		·	¹¹ Bo	ttom Ho	le Location I	Different Fron	n Surface			
UL or lot no.	Section	Township	Range	Let Idn	Feet from the	North/South line	Feet from the	Rast/West line	County	
					·				·	
12 Dedicated Acres	o tolet ¹³	riami "C	goitabileano	Code BOn	der No.					
40		1								

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

**Projection within th	e Tierra Amarilia Land Grant	
16	SENA NO. 1 Latitude - 36°40'08.61650t Longitude - 106°30'27.29027	
	New Mexico State Plane Coordi	
	System - Central Zone x - 424,827.891 y - 2,063,805.360	It SURVEYOR CERTIFICATION I hereby cerafy that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey 19 September 2007 Suppositing and September 2007
495 Sena #1 ∪ Sena #1		Gilberto Archilleta No. 13976 Certificate Number

Submit 3 Copies To Appropriate District Office State of New Mexico	Form C-103
District Energy, Minerals and Natural Resources	May 27, 2004 WELL API NO.
1625 N French Dr., Hobbs, NM 88240 District II 1201 W Grend Aug. Artesia NM 88210 OIL CONSERVATION DIVISION	30-039-30386
District III 1220 South St. Francis Dr.	5. Indicate Type of Lease STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410 District IV Santa Fe, NM 87505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fc, NM 87505	
SUNDRY NOTICES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH	SENA SENA
PROPOSALS.) 1. Type of Well: Oil Well Gas Well Other	8. Well Number
2. Name of Operator	9. OGRID Number
APPROACH OPERATING, LLC	248343 10. Pool name or Wildcat
3. Address of Operator 6300 RIDGLEA PLACE, SUITE 1107, FORT WORTH, TX 76116	WILDCAT
4. Well Location	
Unit Letter : 350 feet from the SOUTH line and	495 feet from the WEST line
Section 10 Township 28N Range 4E	NMPM County RIO ARRIBA
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 7955.78° LSD	
Pit or Below-grade Tank Application ⊠ or Closure □	>200
Pit type reserve Depth to Groundwater >100' Distance from nearest fresh water well >1000	Distance from nearest surface water 41000'
	onstruction Material
12. Check-Appropriate Box to Indicate Nature of Notice,	Report or Other Data
NOTICE OF INTENTION TO: SUB	SEQUENT REPORT OF:
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WOR	
TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRI PULL OR ALTER CASING MULTIPLE COMPL CASING/CEMENT	<u>=</u>
OTHER: RESERVE PIT APPLICATION	l give pertinent dates, including estimated date
of starting any proposed work). SEE RULE 1103. For Multiple Completions: At	
or recompletion.	
Propose to build blooic line/reserve pit in process of drilling exploration well for oil or gas	
I hereby certify that the information above is true and complete to the best of my knowledge	and holiof 15. d
grade tank has been/yill be constructed or closed according to NMOCD guidelines, a general permit	or an (attached) alternative OCD-approved plan .
SIGNATURE Senior Vice President	of Operations DATE Septemeber 24, 2007
Type or print name Glenn W. Reed, P. E. E-mail address: gwrced@approachresource	s.com Telephone No. (817) 989-9000
For State Use Only Oil &	Gas Inspector,
	ict #3 DATE DATE



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State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances. Operator: Approach Operating, LLC Address: 6500 West Freeway, Suite 800 Fort Worth, TX 76116 Facility or well name: Sena No. 1 OCD Permit Number: API Number: <u>30-039-30386</u> M Section 10 Township 28N Range 4E County: Rio Arriba U/L or Qtr/Qtr _____Longitude ______ NAD: ⊠1927 □ 1983 Center of Proposed Design: Latitude Surface Owner: Federal State Private Tribal Trust or Indian Allotment Pit: Subsection F or G of 19.15.17.11 NMAC Closed-loop System: Subsection H of 19.15.17.11 NMAC ☐ Drying Pad ☐ Tanks ☐ Haul-off Bins ☐ Other ____ porary: Drilling Workover Permanent Emergency Cavitation ☐ Lined ☐ Unlined Liner type: Thickness N/A mil \square LLDPE \square HDPE \square PVC Lined Unlined Liner type: Thickness _ _ mil _ LLDPE _ HDPE _ PVC Other _____ String-Reinforced Seams: Welded Factory Other Volume: N/A bbl N/A yd³ Seams: Welded Factory Other Volume: _____bbl Dimensions: L_____x W____x D__ Dimensions: Length N/A x Width N/A Below-grade tank: Subsection I of 19.15.17.11 NMAC Fencing: Subsection D of 19.15.17.11 NMAC Volume: ____ bbl Chain link, six feet in height, two strands of barbed wire at top Type of fluid: Four foot height, four strands of barbed wire evenly spaced between one and Tank Construction material: four feet Secondary containment with leak detection Netting: Subsection E of 19.15.17.11 NMAC ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off ☐ Screen ☐ Netting ☐ Other ☐ Visible sidewalls and liner Monthly inspections ☐ Visible sidewalls only Signs: Subsection C of 19.15.17.11 NMAC Other 12'x24', 2' lettering, providing Operator's name, site location, and Liner type: Thickness mil HDPE PVC emergency telephone numbers ☐ Other _____ ☐ Signed in compliance with 19.15.3.103 NMAC Alternative Method: Administrative Approvals and Exceptions: submittal of an exception request is required. Exceptions must be Justifications and/or demonstrations of equivalency are required. Please refer to nitted to the Santa Fe Environmental Bureau office for consideration 19.15.17 NMAC for guidance. or approval. Please check a box if one or more of the following is requested, if not leave blank: Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for

consideration of approval.

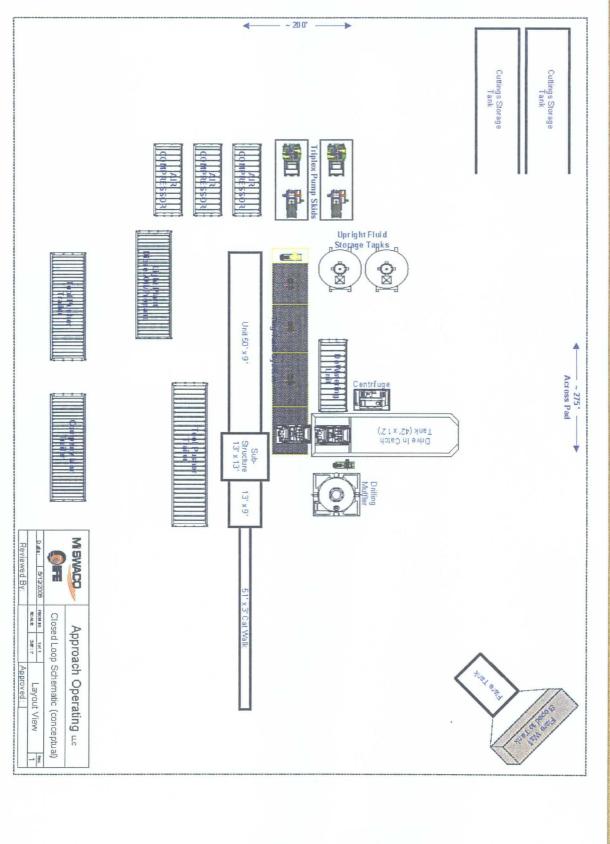
☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to \$\forall 5.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-top system.	
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to permanent pits) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within the area overlying a subsurface mine. Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	Yes No
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	Yes No
Within a 100-year floodplain FEMA map	Yes No
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the do attached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.15 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.1 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.9 NMAC and 19.15.17.13 NMAC	cuments are
Previously Approved Design (attach copy of design) API Number: or Permit Number:	
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the do attached. Geologic and Hydrogeologic Data (required for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of Siting Criteria Compliance Demonstrations (required for on-site closure) - based upon the appropriate requirements of 19.15.17.10 Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	19.15.17.15
Previously Approved Design (attach copy of design) API Number:	

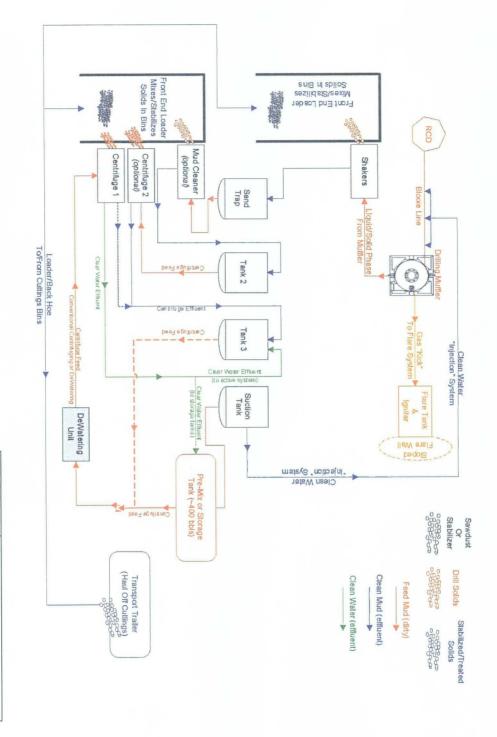
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the	e documents are					
attached.	e wcamenis are					
Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.15 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment						
Cinitatorogical Pactors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC						
☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC						
☐ Quality Control/Quality Assurance Construction and Installation Plan ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC						
Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan						
Emergency Response Plan						
☐ Oil Field Waste Stream Characterization ☐ Monitoring and Inspection Plan						
☐ Erosion Control Plan ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC						
Proposed Closure: 19.15.17.13 NMAC						
Type: Drilling Workover Emergency Cavitation Permanent Pit Below-grade Tank Closed-loop System	n					
Proposed Closure Method: Waste Excavation and Removal On-site Closure Method (only for temporary pits and closed-loop systems)						
☐ In-place Burial ☐ On-site Trench Burial ☐ Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for	consideration)					
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC						
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval fro the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10						
NMAC for guidance.						
und water is less than 50 feet below the bottom of the buried waste. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No					
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No					
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No					
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes No					
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No					
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No					
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No					
Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No					
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No					
thin an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	Yes No					
Within a 100-year floodplain.	☐ Yes ☐ No					

closure plan. Please indicate, by a check mark in the box, that the de		tems must be attached to the			
Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)					
Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC					
Waste Removal Closure For Closed-loop Systems That Utilize Hau		ions: Please indentify the facility			
or facilities for the disposal of liquids, drilling fluids and drill cutting Disposal Facility Name: Basin Disposal, Inc.	vs Disposal Facility Permit Number:	NM-01-0005			
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions:					
by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate req Construction and Design of Burial Trench (if applicable) based Protocols and Procedures - based upon the appropriate requirem Confirmation Sampling Plan (if applicable) - based upon the appropriate requirem Waste Material Sampling Plan - based upon the appropriate requirem Disposal Facility Name and Permit Number (for liquids, drilling Soil Cover Design - based upon the appropriate requirements of Re-vegetation Plan - based upon the appropriate requirements of	uirements of Subsection F of 19.15.17.13 NMAC upon the appropriate requirements of 19.15.17.11 I ents of 19.15.17.13 NMAC propriate requirements of Subsection F of 19.15.17. airements of Subsection F of 19.15.17.13 NMAC fluids and drill cuttings or in case on-site closure s Subsection H of 19.15.17.13 NMAC Subsection I of 19.15.17.13 NMAC	13 NMAC			
Operator Application Certification:					
I hereby certify that the information submitted with this application is	true, accurate and complete to the best of my know	ledge and belief.			
Name (Print): Glenn W. Reed, P. E.	Title: <u>Executive Vice President</u>	- Operations and Engineering			
Name (Print): Glenn W. Reed, P. E. Signature: Warm	Date: 6-18-0	8			
e-mail address: gwreed@approachresources.com	Telephone: <u>817-989-9000</u>)			
D Approval: Permit Application (including closure plan)	Closure Plan (only)				
D Approval: Permit Application (including closure plan) OCD Representative Signature:		te:			
OCD Representative Signature: Title: Closure Report (required within 60 days of closure completion): Signature:	OCD Permit Number:				
OCD Representative Signature: Title: Closure Report (required within 60 days of closure completion): Signature:	OCD Permit Number: Subsection K of 19.15.17.13 NMAC Closure Completion Date:				
OCD Representative Signature: Title: Closure Report (required within 60 days of closure completion): S Closure Method: Waste Excavation and Removal On-Site Closure Method If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the form	OCD Permit Number: Gubsection K of 19.15.17.13 NMAC Closure Completion Date: Alternative Closure Method				
OCD Representative Signature: Title: Closure Report (required within 60 days of closure completion): S Closure Method: Waste Excavation and Removal On-Site Closure Method If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the famark in the box, that the documents are attached. Proof of Closure Notice	OCD Permit Number: Gubsection K of 19.15.17.13 NMAC Closure Completion Date: Alternative Closure Method				
OCD Representative Signature: Title: Closure Report (required within 60 days of closure completion): S Closure Method: Waste Excavation and Removal On-Site Closure Method If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the famark in the box, that the documents are attached. Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan	OCD Permit Number: Gubsection K of 19.15.17.13 NMAC Closure Completion Date: Alternative Closure Method				
Closure Report (required within 60 days of closure completion): Closure Method: Waste Excavation and Removal On-Site Closure Method If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the famark in the box, that the documents are attached. Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results Waste Material Sampling Analytical Results	OCD Permit Number: Gubsection K of 19.15.17.13 NMAC Closure Completion Date: Alternative Closure Method				
Closure Report (required within 60 days of closure completion): Closure Method: Waste Excavation and Removal On-Site Closure Method If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the formark in the box, that the documents are attached. Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results Waste Material Sampling Analytical Results Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation	OCD Permit Number: Gubsection K of 19.15.17.13 NMAC Closure Completion Date: Alternative Closure Method				
Closure Report (required within 60 days of closure completion): Closure Method: Waste Excavation and Removal On-Site Closure Method If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the famark in the box, that the documents are attached. Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results Waste Material Sampling Analytical Results Disposal Facility Name and Permit Number	OCD Permit Number: Gubsection K of 19.15.17.13 NMAC Closure Completion Date: Alternative Closure Method Collowing items must be attached to the closure repo	ort. Please indicate, by a check			
Closure Report (required within 60 days of closure completion): Closure Method: Waste Excavation and Removal On-Site Closure Method If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the formark in the box, that the documents are attached. Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results Waste Material Sampling Analytical Results Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude	OCD Permit Number: Gubsection K of 19.15.17.13 NMAC Closure Completion Date: Alternative Closure Method	ort. Please indicate, by a check			
Closure Report (required within 60 days of closure completion): Closure Method: Waste Excavation and Removal On-Site Closure Method If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the famark in the box, that the documents are attached. Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results Waste Material Sampling Analytical Results Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude Operator Closure Certification: I hereby certify that the information and attachments submitted with thi	Approval Da OCD Permit Number: Subsection K of 19.15.17.13 NMAC Closure Completion Date: Alternative Closure Method Ollowing items must be attached to the closure report s closure report is true, accurate and complete to the	ort. Please indicate, by a check [AD: 1927 1983]			
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Closed-Loop Schematic



Closed-Loop Schematic



Reviewed By:		Date: 6/12/2008		MISWACO
	SCALE:	FSCMNO	Clo	
	3.6": 1"	1 011	sed Loc	Appro
Approved:	TIOW TIOCESS	The Droppes	Closed Loop Schematic (conceptual)	Approach Operating LLC
	1	Rox		

APPROACH OPERATING, LLC. OPERATIONS PLAN

I. Location:

LAT

Date: June 18, 2008

LONG

Rio Arriba County, NM

Field: Wildcat

Elev: GL

Surface:

II. Drilling

A. Contractor: TBDB. Mud Program:

The surface hole will be drilled with a air, if possible, or fresh water mud.

The production hole will be drilled with air or air/mist.

C. Minimum Blowout Control Specifications:

Double ram type 3000 psi working pressure BOP with a rotating head. See the attached Exhibit #__ for details on the BOP equipment. All ram type preventers and related equipment will be hydraulically tested at nipple-up and after any use under pressure to 1500 psi.

The blind ram will be hydraulically activated and checked for operational readiness each time pipe is pulled out of the hole. All check of the BOP stack and equipment will be noted on the daily drilling report. The BOP equipment will include a kelly cock, floor safety valve, and choke manifold all rated to 2000 psi.

No over pressured zones are expected in this well. No H2S zones expected, but compliance packs will be on location.

- III. Logging program: Induction / GR and density logs at TD.
- IV. Materials
 - A. Casing Program:

Hole Size	Depth	Casing Size	Wt & Grade
12-1/4"	350'	9-5/8"	32.3# H-40
8-3/4"	2000'	4-1/2"	10.5# J-55

B. Float Equipment

- a. Surface Casing: Notched collar on bottom and 3 centralizers on the bottom 3 joints.
- b. Production Casing: 4-1/2" whirler type cement nosed guide shoe and a float collar on top of the shoe joint. Centralized with bow spring centralizers

V. Cementing:

• Surface Casing: 9-5/8" 32.3 lb/ft H-40 set to 350'.

Cement 0-350'

Fluid 1: Water Based Spacer

Water Fluid Density: 8.330

lbm/gal

Fluid Volume: 10 bbl

Fluid 2: Lead Cement

Premium Cement Fluid Weight 15.600

lbm/gal

94 lbm/sk Premium Cement (Cement) Slurry Yield: 1.180 ft³/sk

0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive) Total Mixing Fluid: 5.238

Gal/sk

2 % Calcium Chloride (Accelerator) Top of Fluid: 0 ft

Calculated Fill: 350 ft

Volume: 42.139 bbl

Calculated Sacks: 200.503 sks

Proposed Sacks: 205 sks

Fluid 3: Water Based Spacer

Water Displacement Fluid Density: 8.330

lbm/gal

Fluid Volume: 23.966 bbl

• Production Casing: 4-1/2" 10.5 lb/ft J-55 casing set to TD.

Cement

Fluid Instructions

Fluid 1: Water Based Spacer

Water Fluid Density: 8.330

lbm/gal

Fluid Volume: 20 bbl

Fluid 2: Lead Cement

50/50 Poz Premium Fluid Weight 13 lbm/gal 0.4 % Halad(R)-344 (Low Fluid Loss Control) Slurry Yield: 1.436 ft³/sk

0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive) Total Mixing Fluid: 6.193

Gal/sk

5 lbm/sk Gilsonite (Lost Circulation Additive) Top of Fluid: 0 ft

Calculated Fill: 2000 ft

Volume: 156.266 bbl

Calculated Sacks: 610.982 sks

Proposed Sacks: 615 sks

Fluid 3: Water Based Spacer

Water Displacement Fluid Density: 8.330

lbm/gal Fluid Volume: 31.197 bbl

• The wells will have 40' of 14" conductor set. Then a 12-1/4" hole will be drilled to about 350' when 9-5/8" surface casing will be set and cemented. We will drill out with a 8-3/4" bit using

MULTI-POINT SURFACE USE PLAN

1. Existing Roads:

When existing roads are used to access the proposed location they will be maintained in the same or better condition than presently found.

2. Planned Access Roads:

Some new access road will have to be constructed. If existing access road is also used, it will be maintained in at least the current condition and will be upgraded where necessary to provide uninterrupted access to the proposed well.

3. Location of Existing Wells:

Attached map (Plat # 1) shows existing wells within one mile radius of the proposed well. N/A

4. Location of Production Facilities:

In the event of production, production facilities will be located on the drill pad. The actual placement of this equipment will be determined when the well's production characteristics can be evaluated after completion.

To protect livestock and wildlife, equipment will be fenced. Any tanks will be enclosed by a dike.

Upon completion of drilling, the location and surrounding area will be cleared of all debris.

5. Water Supply:

Water for drilling and completion will be purchased from local sources.

6. Source of Construction Materials:

No additional construction materials will be required to build.

7. Methods of Handling Waste Disposal:

- a. The drill cuttings, fluids and completion fluids will be placed in the steel tanks. Upon completion, the pad will be leveled, contoured and reseeded with the appropriate seed mixture.
- b. All garbage and trash will be placed in a metal trash basket. It will be hauled off and dumped in an approved land fill upon completion of operations.
- c. Portable toilets will be provided and maintained during drilling operations.

8. Ancillary Facilities:

Ancillary facilities are to be based on well productivity. .

9. Well Site Layout:

A plat of the drill pad with location of drilling equipment and rig orientations also attached.

10. Plans for Restoration of Surface:

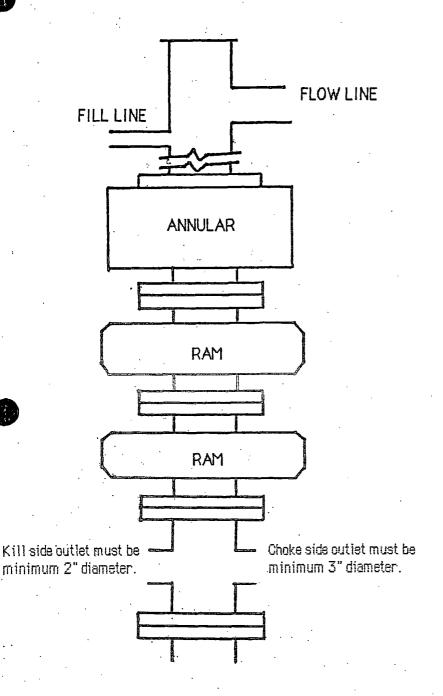
When the well is abandoned the location and access road will be cleaned and restored to the original topographical contours as much as possible. The area will be reseeded with appropriate seed mixture.

If the well is productive, areas not used in production will be contoured and seeded with stipulated seed mixture. Production equipment will be painted to blend with the natural color of the landscape.

11. Lessee's or Operator's Representative:

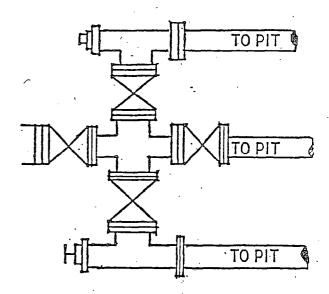
Glenn W. Reed, Executive Vice President – Engineering & Operations Approach Resources 6500 West Freeway, Suite 800 Fort Worth, Texas 76116 Phone: (817) 989-9000

Glenn W. Reed
Executive Vice President – Engineering & Operations



TYPICAL BOP STACK & CHOKE MANIFOLD

There will be at least 2 chokes and 2 choke line valves (3" minimum). The choke line will be 3" in diameter. There will be a pressure gauge on the choke manifold.



Kill line will be minimum 2" diameter and have 2 valves, one of which shall be a minimum 2" check valve.

Upper kelly cock will have handle available.

Safety valve and subs will fit all drill string connections in use.

All BOPE connections subjected to well pressure will be flanged, welded, or clamped.



Approach Resources

Well Control Equipment Schematic for 3K Service Attachment to Drilling Technical Program

Exhibit #1 Typical BOP setup

